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Applicant(s): Michael W. Eknoian

Docket No.

1872 DIV.VIN (EM-05-20)

Application No.

10/761,682

Filing Date

January 21, 2005
MAY 08 2006

Examiner

Ives J. Wu

Customer No.

40256

Group Art Unit

1713

Invention: SALT SENSITIVE AQUEOUS EMULSIONS
TRADEMARKS

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Michael W. Ferrell

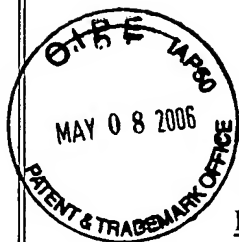
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Michael W. Ferrell

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
Michael W. Eknoian : Examiner: UNKNOWN
U.S. Serial No. 10/761,682 : Group Art Unit: 1713
Filed January 21, 2004 :
Docket No. 1872DIV.VIN (EM-05-20) :
For: SALT SENSITIVE AQUEOUS :
EMULSIONS :

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.56, 1.97 AND 1.98

Sir:

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 C.F.R. 1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. 1.56(a). While information referred to in this Information Disclosure Statement may be material pursuant to 37 C.F.R. 1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 C.F.R. 1.97(h), constitute an admission that any patent, publication or other information referred to is, or is considered to be, material to the patentability of this invention. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information exists.

- ☒ This information Disclosure Statement is filed within the period set forth in §1.97(b) because it accompanies the new patent application submitted herewith, is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in §1.491 in an international application. Or is believed to be filed before the mailing date of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 CFR 1.114, whichever event occurs last. However, in the event that the first office action has been mailed, the Commissioner is authorized to charge any fees under 37 C.F.R. 1.17(p) or credit any overpayment to Account No. 50-0935.
- ☐ This Information Disclosure Statement is filed after the period set forth in 37 C.F.R. 1.97(b), but is believed to be filed before the mailing date of a final action under §1.113 or a notice of allowance under §1.311, whichever occurs first.
- ☐ (1) The undersigned attorney certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement;
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- ☐ (3) This Information Disclosure Statement is accompanied by a transmittal letter in which payment of the fee set forth in §1.17(p) and required by 37 C.F.R. 1.97 (c) is authorized.

Related Cases

1. United States Patent Application No. 09/883,520, filed June 18, 2001, entitled "Water Dispersible, Salt Sensitive Non-Woven Materials", of *Parsons et al.*;
2. United States Patent Application No. 11/120,372, filed May 3, 2005, entitled "Salt-Sensitive Vinyl Acetate Binder Compositions and Fibrous Articles Incorporating Same", of *Farwaha et al.*;
3. United States Patent Application No. 11/120,381, filed May 3, 2005, entitled "Salt-Sensitive Binder Compositions with N-Alkyl Acrylamide and Fibrous Articles Incorporating Same", of *Farwaha et al.*; and
4. United States Patent Application No. 11/339,216, filed January 25, 2006, entitled "Salt-Sensitive Binders for Nonwoven Webs and Method of Making Same" of *Farwaha et al.*

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2. United States Patent No. 3,035,004, issued May 15, 1962, entitled "Aqueous Polymer Dispersions Containing (C1-C8)-Alkyl Acrylate/Methacrylic Acid Copolymer Salt Thickeners", of *Glavis*;
3. United States Patent No. 3,248,356, issued April 26, 1966, entitled "Multisperse Acrylic Latexes", of *Snyder*;
4. United States Patent No. 3,677,991, issued July 18, 1972, entitled "Anionic Acrylate Latexes that Possess Sensitivity to Alkalinity", of *Moore*;
5. United States Patent No. 3,939,836, issued February 24, 1976, entitled "Water Dispersible Nonwoven Fabric", of *Tunc*;
6. United States Patent No. 4,005,251, issued January 25, 1977, entitled "Process for Preparation of Alkali Cellulose Ester Sulfates", of *Tunc*;
7. United States Patent No. 4,110,291, issued August 29, 1978, entitled "Copolymer Emulsions for Thickening Acrylic Polymer Latices", of *Barabas et al.*;
8. United States Patent No. 4,151,143, issued April 24, 1979, entitled "Surfactant-Free Polymer Emulsion Coating Composition and Method for Preparing Same", of *Blank et al.*;

9. United States Patent No. 4,242,408, issued December 30, 1980, entitled "Easily Disposable Non-Woven Products Having High Wet Strength at Acid pH and Low Wet Strength at Base pH", of *Evani et al.*;
10. United States Patent No. 4,309,469, issued January 5, 1982, entitled "Flushable Binder System for Pre-Moistened Wipers Wherein an Adhesive for the Fibers of the Wipers Interacts With Ions Contained in the Lotion With Which the Wipers are Impregnated", of *Varona*;
11. United States Patent No. 4,384,096, issued May 17, 1983, entitled "Liquid Emulsion Polymers Useful as pH Responsive Thickeners for Aqueous Systems", of *Sonnabend*;
12. United States Patent No. 4,769,167, issued September 6, 1988, entitled "Aqueous Functional Fluids Based on Polymers", of *Haas et al.*;
13. United States Patent No. 4,801,671, issued January 31, 1989, entitled "Production of Alkali Soluble, Carboxyl-Functional Aqueous Emulsion Thickeners", of *Shay et al.*;
14. United States Patent No. 5,073,591, issued December 17, 1991, entitled "Polymeric Thickeners and Methods of Producing the Same", of *Tsaur*;
15. United States Patent No. 5,252,332, issued October 12, 1993, entitled "Pre-Moistened Flushable Towlette Impregnated with Polyvinyl Alcohol Containing Binders", of *Goldstein*;
16. United States Patent No. 5,317,063, issued May 31, 1994, entitled "Water-Soluble Polymer Sensitive to Salt", of *Komatsu et al.*;
17. United States Patent No. 5,332,854, issued July 26, 1994, entitled "Surfactant", of *Yokota et al.*;
18. United States Patent No. 5,384,189, issued January 24, 1995, entitled "Water-Decomposable Non-Woven Fabric", of *Kuroda et al.*;
19. United States Patent No. 5,500,281, issued March 19, 1996, entitled "Absorbent, Flushable, Bio-Degradable, Medically-Safe Nonwoven Fabric with PVA Binding Fibers, and Process for Making the Same", of *Srinivasan et al.*;
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21. United States Patent No. 5,656,746, issued August 12, 1997, entitled "Temporary Wet Strength Polymers from Oxidized Reaction Product of Polyhydroxy Polymer and 1,2-Disubstituted Carboxylic Alkene", of *Smith et al.*;

22. United States Patent No. 5,935,880, issued August 10, 1999, entitled "Dispersible Nonwoven Fabric and Method of Making Same", of *Wang et al.*;
23. United States Patent No. 5,972,805, issued October 26, 1999, entitled "Ion Sensitive Polymeric Materials", of *Pomplun et al.*;
24. United States Patent No. 6,043,317, issued March 28, 2000, entitled "Ion Sensitive Binder for Fibrous Materials", of *Mumick et al.*;
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27. United States Patent No. 6,194,517, issued February 27, 2001, entitled "Ion Sensitive Polymeric Materials", of *Pomplun et al.*; and
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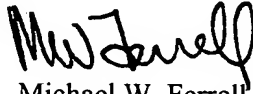
1. United States Patent Application No. 09/564,531, filed May 4, 2000, entitled "Ion-Sensitive, Water-Dispersible Polymers, A Method of Making Same and Items Using Same", of *Lang et al.*

Foreign Publications

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2. European Publication No. 0 582 123 A1, published February 9, 1994, entitled "Pre-Moistened Flushable Towelette Impregnated with Polyvinyl Alcohol Containing Binders", of *Goldstein*;
3. European Publication No. 0 608 460 A1, published August 3, 1994, entitled "Water-Decomposable Non-Woven Fabric", of *Kuroda et al.*;
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5. European Publication No. 1 093 478 B1, published April 25, 2001, entitled "Alkali Soluble Latex Thickeners", of *Bassett et al.*;

6. WIPO Publication No. WO 99/27186 A1, published June 3, 1999, entitled "Flushable Fibrous Structures", of *Bjorkquist et al.*;
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9. WIPO Publication No. WO 00/39378 A2, published July 6, 2000, entitled "Water-Dispersible Nonwoven Fabrics Containing Temperature-Sensitive or Ion-Sensitive Polymeric Binder Materials and Process for Making Such Fabrics", of *Pomplun et al.*;
10. WIPO Publication No. WO 01/83666 A2, published November 8, 2001, entitled "Ion-Sensitive, Water-Dispersible Polymers, A Method of Making Same and Items Using Same", of *Chang et al.*; and
11. WIPO Publication No. WO 01/83866 A2, published November 8, 2001, entitled "Ion-Sensitive, Water-Dispersible Polymers, A Method of Making Same and Items Using Same", of *Chang et al.*

Respectfully submitted,



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May 5, 2006

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| INFORMATION DISCLOSURE CITATION <small>(Use several sheets if necessary)</small> <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;">MAY 08 2006</div> </div> | | | | ATTY DOCKET NO. 1872.DIV (EM-05-20) | | APPLICATION NO. 10/761,682 | | |
| | | | | APPLICANT(S) M.W. Eknoian | | | | |
| | | | | FILING DATE January 21, 2004 | | GROUP ART UNIT 1713 | | |
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1872.DIV (EM-05-20)APPLICATION NO.
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January 21, 2004GROUP ART
1713**U.S. PATENT DOCUMENTS**

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INFORMATION DISCLOSURE CITATION

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| | | U>S. Patent 6,127,593 | 10/3/00 | Bjorkquist et al. | 604 | 364 | |
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